

**ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP
SEPTEMBER 9, 2010**

COMMITTEE MEMBERS PRESENT

Ed Mandich, Committee Chair
Matt Disston, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Hector Ruiz, District Engineer
Teresa Teichman, Secretary to the Board of Directors
Kris Hanberg, Wastewater Supervisor
Neil McKenna, Water Supervisor
Bob Beck, Maintenance Supervisor
Michael Perea, Special Projects Manager

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:05 a.m.

PUBLIC PARTICIPATION

Public comments were announced. There were no oral or written comments.

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

There were no Committee Member comments.

REPORT FROM THE GENERAL MANAGER

There was no report from the General Manager

PROJECT MANAGEMENT

**ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL
WATER TREATMENT FACILITY**

Mr. Hector Ruiz, District Engineer, advised the Baker WTP Committee is scheduled to meet on September 23, 2010. Topics to be discussed at the committee meeting include the water supply to the plant along with the pump station design for supplying water to TCWD.

Mr. Don Chadd, General Manager, advised earlier in the month he met with IRWD to explore funding options for the project, including loans from IRWD and/or iBank. Mr. Chadd advised that Mr. Michael Perea, Special Projects Manager is currently reviewing iBank paperwork.

The Engineering/Operational Committee received the status update. No action taken.

**ITEM NO. 1B) STATUS UPDATE AND POSSIBLE ACTION RELATING TO
ROSE CANYON AND LANG WELLS GROUNDWATER
TREATMENT FACILITY**

Mr. Ruiz stated RC Foster submitted change order costs for the excavation and disposal of excess asphalt debris, an unforeseen condition and for other requested items by TCWD. Mr. Ruiz reviewed each of the proposed change orders with the committee.

Mr. Ruiz advised RC Foster has submitted a request for extension of their contract through November 15, 2010 as Substantial Completion with the understanding that sufficient groundwater will be available for startup and testing at a later date. Construction of the project includes startup and testing of the facility which requires sufficient water in the wells.

Mr. Ruiz advised Mr. Perea has submitted claims for reimbursement covering fiscal years 06/07, 07/08, and 08/09. The submittals consist of costs incurred for planning, environmental, and design.

Mr. Ruiz updated the Committee as to the progress and the phases of construction at the site, both current and future.

The Engineering/Operational Committee received the status update and recommended forwarding RC Foster's request for contract extension and change orders to the Regular Board Meeting for consideration. (Action Calendar).

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
SEPTEMBER 9, 2010
PAGE 3**

**ITEM NO. 1C) STATUS UPDATE RELATING TO WATER MONITORING AND
WATER CONSERVATION EFFORTS**

Mr. Chadd discussed the water allocation tables provided by the Municipal Water District of Orange County (MWDOC) covering 2009/2010 fiscal year and noted TCWD was 6.0% under its annual allocation.

The Engineering and Operational Committee received the status update. No action taken.

**ITEM NO. 1D) STAFF REPORT AND POSSIBLE ACTION RELATING TO
SOUTH ORANGE COUNTY INTERATED REGIONAL WATER
MANAGEMENT PLAN (IRWMP)**

Mr. Ruiz advised the County of Orange is the lead agency in the effort to obtain grant funds including Proposition 84 funds which has designated over 12 million dollars for South Orange County water management projects.

In order to participate and be eligible for a portion of the funds, the County of Orange is asking each agency to equally participate in the funding of the County's costs for grant administration and application. Costs are anticipated to be in the range of \$5,000 - \$6,000 per agency. At any point an agency can drop off and remaining members would absorb the cost.

Committee Chair Mandich shared information relating to the ranking of projects already submitted and advised interviews are scheduled to start next week. Chair Mandich questioned the benefit of participating at this stage.

Discussion occurred as to the projects submitted by the City of Rancho Santa Margarita which appear to be for the same project funds as TCWD.

Committee member Disston recommended forwarding this to the Regular Board meeting for further discussion.

The Engineering and Operational Committee received the status update and recommended forwarding to the Regular Board Meeting. (Action Calendar).

**ITEM NO. 1E) STAFF REPORT AND POSSIBLE ACTION RELATING TO
COUNTY OF ORANGE PROPOSED IMPROVEMENTS TO
TRABUCO CREEK ROAD**

Mr. Chadd advised he was contacted by the County of Orange, Real Estate Division, in regard to their interest in making improvements to Trabuco Creek Road.

ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
SEPTEMBER 9, 2010
PAGE 4

The County is proposing to improve this road by performing a minimal level of grading and topping the road with a decomposed granite product.

At this time the County is requesting TCWD and the United States Forestry Service donate a portion of their easements to the County in order to accomplish the road improvements.

TCWD legal counsel has sent a draft agreement to the County and is awaiting their review and comments.

Committee Chair Mandich stressed the importance of preserving TCWD's prior rights so that it will not be a requirement to pull encroachment permits to effect repairs.

The Engineering and Operational Committee received the status update and recommended forwarding to the Regular Board Meeting. (Action Calendar).

ITEM NO. 1F) STATUS UPDATES REGARDING ON-GOING ENGINEERING PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz advised there is no new information to report. Mr. Ruiz advised the dry pit submersible pumps are expected to be delivered mid-October.

2. Shadow Rock Detention Basin Project

Mr. Ruiz advised there is no new information to report.

3. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz advised there is no new information to report.

4. T-mobile Trabuco Highlands Reservoir Antenna Installation

Mr. Ruiz advised this project is substantially completed. Mr. Ruiz walked the site with the Contractor last week and created a punch list. ATS, TCWD's liaison, will follow up on the status in order to complete remaining asphalt road repairs prior to the wet weather period.

5. El Toro Road Sewer Lift Station

Mr. Ruiz advised he is working with IRWD on amendments to the Agreement, along with new exhibits. Mr. Ruiz will have more information at the time of the next Engineering/Operational Committee Meeting.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
SEPTEMBER 9, 2010
PAGE 5**

6. Dove Lake Evaluation

Mr. Ruiz reviewed the current positioning and functioning of TCWD's solar bees located in Dove Lake. Discussion occurred relating to aeration and the depths of the solar bee positioning to minimize lake turnover. Mr. Ruiz mentioned that Solar Bee has been actively involved in sampling of the lake and evaluating the system. Solar Bee has recommended adjusting the units at the end of February, 2011. Prior to that, the District can expect a turnover of the lake, however; its odor impact cannot be determined.

Discussion ensued about Solar Bee's recommendation to also turn on the low energy bubbler system and further mix the lake beginning next February 2011.

Mr. Ruiz stated he has also had discussions with Pace Engineering, a Lake Management Company, relating to further evaluation of Dove Lake and has received a proposal for performing field tests and study of options for preventing a lake turnover.

The Committee agreed with Solar Bee's recommendations and for operations to continue to manage the lake as in previous years. No further study will be performed at this time.

7. Other Projects

Mr. Ruiz advised the City of Long Beach contacted TCWD a few days ago to advise a TCWD radio or telemetry signal is interfering with their radio transmissions. The City of Long Beach has priority rating over TCWD and TCWD was given 30 days to correct.

Mr. Ruiz and TCWD's maintenance technologist are working together to identify which equipment is causing the interference and exploring options for correction.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM 1G) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Skyridge – Standard Pacific Homes (85 DUs)

Mr. Ruiz advised the has received the developer deposit and has received the proposal from Psomas to prepare the Sub-Area Master Plan. Mr. Ruiz is meeting with Psomas today to review their proposal.

2. Oaks at Trabuco

Mr. Ruiz advised two lots have homes in the planning stages and grading is anticipated to start soon.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
SEPTEMBER 9, 2010
PAGE 6**

3. Rancho Las Lomas

There is no new activity to report.

4. Other Active Developments

No other developments were discussed.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1H) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the August 2010 update.

Source Water Production

1. The water treatment plant production totaled 296 acre feet.
2. The Rose Canyon Well produced 0 acre feet and the Lang Well produced 0 acre feet.
3. The average daily demand was 9.4 acre feet, or 4.7 cfs.

Projects and Repairs

1. Water Department Personnel repaired an 8-inch pipeline on Birdhollow.
2. Water Department Personnel abandoned the existing discharge line at Rose Well which is not needed for the new Treatment Facility.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1I) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the August 2010 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 62 acre feet.
2. The recycled water demand was 99 acre feet.
3. Dove Lake had 7.8 feet of freeboard.
4. The reclaimed water reservoir had 7 feet of freeboard.
5. The District pumped a total of 14.1 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 11.7 acre feet.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
SEPTEMBER 9, 2010
PAGE 7**

Projects

1. District Personnel dewatered and removed cat tails from Shadow Rock Detention Basin.
2. District Personnel cut and removed the 6-inch HDPE pipe from the Porter property.

Mr. Hanberg reviewed the Sewer System Management Plan (SSMP) Report for August.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1J) AUGUST 2010 OPERATIONAL REPORT REVIEW

There were no anomalies to report.

The Engineering/Operational Committee received and filed the report. No action taken.

**ITEM NO. 1K) ENGINEERING/OPERATIONAL COMMITTEE MEETING
RECAP**

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the August 12, 2010 Engineering/Operational Committee Meeting Recap. (Consent Calendar).

ITEM NO. 1L) OTHER MATTERS/REPORT

Mr. Chadd provided an update relating to the water theft within the District including consumption history and landscape appearance.

Mr. Chadd advised there is a residence in the Portola Hills community who has a meter approximately four feet below grade which is not accessible to District Personnel. A notice to correct was sent to the residence in July, 2010. The home is currently vacant and up for sale and water service has been locked off. Owner and Realtor have both been advised meter must be restored to original status, per TCWD Rules and Regulations prior to water service being restored.

Mr. Chadd updated the Committee as to the status of the landscape project underway in the front entrance of the building.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
SEPTEMBER 9, 2010
PAGE 8**

Recommended Action: The Committee received the status update. No action taken.

ADJOURNMENT

Committee Chair Mandich adjourned the September 9, 2010 Engineering/Operational Committee Meeting at 8:12 a.m.